



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :

Inventor: David SIKHARULIDZE :

Confirmation No. 7131

U.S. Patent Application No. 10/698,028 :

Group Art Unit: 1772

Filed: October 31, 2003 :

For: BISTABLE NEMATIC LIQUID CRYSTAL DISPLAY DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,

LOWE HAUPTMAN GILMAN & BERNER, LLP

Allan M. Lowe

Registration No. 19,641

1700 Diagonal Road, Suite 310
Alexandria, Virginia 22314
(703) 684-1111 AML/gmj
Facsimile: (703) 518-5499
April 2, 2004

 <p>INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)</p>			ATTY. DOCKET NO. 1509-467		U.S. PATENT APPLICATION NO. 10/698,028	
			APPLICANT David SIKHARULIDZE			
			FILING DATE October 31, 2003	GROUP 1772		
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,305,807	12-15-1981	Somlyody	204	299 R	3-13-1980
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						Yes
	GB 2 324 620	10-28-1998	UK			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Thurston et al., "Mechanically Bistable Liquid-Crystal Display Structures," IEEE Transactions on Electron Devices, Vol. ED-27, No. 11, November 1980, pp. 2069-2080					
	Dozov et al., "Fast bistable nematic display using monostable surface switching," Appl. Phys. Lett. 70 (9), March 3, 1997, pp. 1179-1181					
	Bartolino et al., "Polarity sensitive electrooptical response in a nematic liquid crystal-polymer mixture," Jounal of Applied Physics, Vol. 85, No. 5, March 1, 1999, pp. 2870-2874					
	Eidenschink et al., "Static Scattering in Filled Nematic: New Liquid Crystal Display Technique," Electronics Letters, Vol. 27, No. 13, June 20, 1991, pp. 1195-1196					
	Glushchenko et al., "Memory effect in filled nematic liquid crystals," Liquid Crystals, Vol. 23, No. 2 (1997), pp. 241-246					
	Kawasumi et al., "Nematic liquid crystal/clay mineral composites," Materials Science and Engineering C 6 (1998), pp. 135-143					
	Kreuzer et al., "New liquid crystal display with bistability and selective erasure using scattering in filled nematics," Appl. Phys. Lett. 62 (15), April 12, 1993, pp. 1712-1714					
	Lee et al., "Dynamic behavior of silica particles in liquid crystals under an ac applied voltage," Proceedings of 13th International Conference on Dielectric Liquids (ICDL '99), July 1999, pp. 571-574					
EXAMINER	DATE CONSIDERED					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.